

APPENDICE

No. I.

RAPPORT

DE

MONSIEUR L'OFFICIER DE LA
SANTÉ PUBLIQUE, 1938.



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RAPPORT DE MONSIEUR L'OFFICIER DE LA SANTÉ PUBLIQUE, 1938.

States' Office, Guernsey,
25th May, 1939.

SIR,

I have the honour to forward herewith the Report of the Medical Officer of Health for the year 1938, with a request that it may be printed as an Appendix to a future Billet d'Etat, and that a number of copies (say) 100, be struck off for distribution in the usual way.

I have the honour to be,

Your obedient Servant,

A. N. SYMONS,
President, Board of Health.

The Bailiff,
The Royal Court,
Guernsey.

GENTLEMEN,

I have the honour to present my fourth annual report on the Health and Sanitary conditions of the Island of Guernsey for 1938.

The year saw the continuation of the Diphtheria epidemic, and a fairly successful campaign for immunisation against the disease was carried out.

In the first complete year of working, the Board's Clinic for Venereal disease treated a comparatively large number of patients, and should in the future do much to combat the prevalence of these diseases.

Other points of interest include the lowest infantile death rate and the lowest death rate from Pulmonary Tuberculosis ever recorded.

I have the honour to be, Gentlemen,

Your obedient Servant,

ROWAN W. REVELL, M.D.,
Medical Officer of Health.

To the President and Members,
The Board of Health,
Guernsey.

GUERNSEY.

Guernsey, the most western of the Channel Islands, lies in the Bay of Avranches, 82 miles from Weymouth, the nearest port, 40 from Cherbourg, and 63 from St. Malo.

It is triangular in shape, with an area of 24.5 square miles and an acreage of 15,654. The soil, composed of disintegrated granite and schist, is very fertile. Enormous quantities of tomatoes and other fruit, vegetables and flowers are grown, chiefly under glass, for export.

This industry is the chief one, but in addition a quantity of granite for road-making is exported. The rearing, for sale in England and the United States, of the far-famed Guernsey cattle (including those from Alderney and Sark) is an important industry. These cattle are highly prized, not only for the richness of their milk, but above all for their freedom from Tuberculosis.

There are two harbours, situated at St. Peter Port and St. Sampson's, the two towns of the island.

The population at the census of 1911 was 41,854 ; in 1921 it was stated to be 37,914 with 1,098 visitors, and the figures for 1931 show a population of 40,588.

Guernsey is a health resort throughout the year, but particularly so in the summer and autumn months. Not only are its natural beauties so great, but its salubrious yet bracing climate is highly attractive. It is cooler in summer and warmer in winter than on the mainland.

Drainage is good and modern in the towns, and extensions to the country districts have been made.

Guernsey, Alderney, Sark, Herm and Jethou, constitute a Bailiwick under a Lieutenant-Governor. The Bailiff is the chief Civil Official.

GENERAL STATISTICS.

TABLE I.

Population (civilian) estimated	..	..	..	..	43,015
Density of Population per acre	..	..	..	..	2.7
Average number of inhabitants per house	..	..	..	..	4.02
Birth rate per 1,000	..	..	..	..	19.8
Death rate per 1,000 (crude)	..	..	..	..	12.2
" " " " " (adjusted)	..	..	..	..	8.5
Infantile death rate per 1,000 live births	..	..	..	..	43.4
Rainfall, (inches)	..	..	..	..	30.46
Average rainfall (96 years)	..	..	..	..	36.89
Mean Average Temperature	..	..	..	..	52.3
Mean Relative Humidity	..	..	..	..	83.0
Mean Daily Range	..	..	..	..	9.0
Sunshine (hours)	..	..	..	..	1845.8
Average Sunshine (44 years)	..	..	..	..	1881.5

TABLE II.

YEAR.	Estimated population to middle of each year.	BIRTHS		DEATHS			DEATHS under 1 year of age.	
		Number	Rate per 1,000.	Number	Crude Rate per 1,000.	Adjusted Rate per 1,000.	Number.	Rate per 1,000 Births.
1927.....	38,880	760	19.6	532	13.7	10.9	57	75.0
1928.....	39,000	813	20.8	485	12.4	9.9	48	59.0
1929.....	39,040	756	19.4	586	15.1	12.0	59	78.0
1930.....	40,215	757	18.8	486	12.1	9.6	50	66.0
1931.....	40,470	764	18.8	475	11.7	9.3	29	38.0
1932.....	40,640	762	18.7	470	11.5	9.1	47	62.0
1933.....	40,850	712	17.4	578	14.1	11.2	56	78.6
1934.....	40,900	751	18.3	528	12.9	9.0	38	50.6
1935.....	41,160	777	18.9	518	12.6	8.8	46	59.2
1936.....	41,960	708	16.9	545	12.9	9.0	42	59.3
1937.....	42,410	827	19.5	575	13.6	9.5	45	53.2
1938.....	43,015	851	19.8	524	12.2	8.5	37	43.4

POPULATION.

The civilian population at the middle of the year is estimated to have been 43,015.

BIRTHS.

There were 857 births, 445 males and 406 females, a rate of 19.8 per 1,000. There were 32 still births. Illegitimate births numbered 45, a rate of 5.3 per cent of total live births.

It will be noted that the birth rate has increased very much in 1937 and 1938, and is larger last year than in any year since 1926.

DEATHS.

There were 525 deaths, 259 males and 266 females; a crude death rate of 12.2 per 1,000, and an adjusted rate of 8.5 per 1,000. This is the lowest rate since 1932.

Deaths in Public Institutions were as follows :—

Town Hospital	37
Town Mental Hospital	1
Country Hospital	72
Country Mental Hospital	5
Victoria Hospital	39
King Edward Sanatorium	16

TABLE III.

PERCENTAGE OF DEATHS AT DIFFERENT AGE PERIODS.

	Under 1 year.	Years 1—5.	Years 5—15.	Years 15—25.	Years 25—65.	Over 65 years.
1900—1904	24.0	9.0	4.0	5.0	27.0	31.0
1905—1909	22.3	8.0	3.0	4.6	28.0	34.0
1910—1914	20.2	7.2	3.3	3.8	27.8	37.7
1915—1919	12.5	5.1	3.6	4.9	33.1	40.7
1920—1924	11.5	3.6	3.7	5.5	30.4	45.3
1925—1929	11.2	3.4	2.5	4.0	30.2	48.6
1930—1934	8.6	2.9	1.7	3.2	30.5	53.1
1935	8.8	2.5	2.3	2.2	33.0	51.2
1936	7.7	2.9	2.1	2.5	27.5	57.3
1937	7.8	1.9	1.4	1.7	31.5	55.7
1938	7.1	2.3	4.0	2.8	30.7	53.1

Increased percentages for the age periods 1—5 and 5—15 will be noted, especially in the latter age group. These are due principally to deaths from Diphtheria.

MATERNAL MORTALITY.

There were five deaths of mothers, giving a rate of 5.8 per 1,000 live births.

Under the Ordonnance ayant rapport aux Sages Femmes, medical assistance was sent for by midwives in 130 cases.

The expenditure was as follows :—

	£	s.	d.
Cost of advertisement forms, etc.....	15	12	0
Fees to Medical Practitioners.....	230	6	6
<hr/>			
Total cost	245	18	6
Sum recovered from patients	40	0	6
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Nett cost	£205	18	0
<hr/>			

No disciplinary action was taken under this Ordinance.

INFANT MORTALITY.

There were 37 deaths of infants under one year of age, a rate of 43.4 per 1,000 live births. This is the lowest rate on record, the previous lowest being 50.6 in 1934.

The work of the Welfare Clinics of the Nursing Associations, and the gradually improving housing and sanitary conditions in the Island will undoubtedly have a beneficial effect on infant and child life.

There is, however, no provision as yet for education of the poorest and most ignorant classes who do not belong to a nursing association.

This can only be provided by the appointment of one or more health visitors by the States.

CANCER.

The number of deaths from Cancer was 85, giving a rate of 1.9 per 1,000.

MARRIAGES.

There were 413 marriages, a rate of 9.5 per 1,000. Of these 180 took place in a Church of England, 41 in a Roman Catholic, and 67 in Nonconformist Churches. There were 123 at the Greffe Office, and 2 at home. In Alderney there were 11 marriages, Church of England 3, Roman Catholic 4, Registrar Office 4. In Sark there were three Church of England marriages.

INFECTIOUS DISEASES.

The epidemic of Diphtheria, which had started in the previous Autumn, continued unabated until May, when it diminished to small proportions. But, as was to be expected, the epidemic again assumed large proportions in the subsequent Autumn.

Scarlet Fever continued to be prevalent, but the number of cases were never very large. The notifications of infectious diseases were as follows :—

Diphtheria	489	Encephalitis	2
Scarlet Fever.....	94	Cerebro-spinal Fever	2
Erysipelas	2	Anterior Poliomyelitis	2
Puerpural Fever	3	Paratyphoid	1

There were 14 deaths from Diphtheria, two from Cerebro-Spinal Meningitis and one from Encephalitis Lethargica. There were again no deaths from Measles or Whooping Cough.

The following cases were admitted to the King Edward Sanatorium :—

	Number.	Deaths.
Diphtheria	489	14
Scarletina	90	1
Malignant Pustule	2	—
Encephalitis	1	1
Paratyphoid	1	—
Measles	4	—
	—	—
	587	16
	—	—

Diphtheria death rate 2.8 per cent.

In the early part of the year, by the kind permission of the President and Members of the Country Hospital Board, two wards were again made use of in the Country Hospital for the treatment of cases of convalescent diphtheria.

IMMUNISATION AGAINST DIPHTHERIA.

At the meeting of the States on April 29th, 1938, the Board's scheme for the compulsory inoculation of all children between the ages of two and ten years, and the subsequent inoculation of all children after reaching the age of two, was agreed to.

The *Projet de Loi* intitulé “ *Loi par rapport à l'inoculation des enfants contre la Diphtérie* ” was passed by the States on June 24th, 1938. Confirmation by Order in Council had not been received by the end of the year (but was actually received in March, 1939).

Immediately after the passing of the “ *Projet* ”, free inoculation was offered to all children between the ages of two and ten years, and measures were taken, such as notices in the papers and distribution of pamphlets in the schools, to persuade as many parents as possible to have their children inoculated. Free inoculation was subsequently offered to all children attending school. By the end of the year, over 3,500 children had been inoculated, of whom approximately 3,000 had been inoculated over eight weeks. Alum Precipitated Toxoid, two doses, was used for children under ten, and Toxoid-

Antitoxin-Floccules, three doses, for other children. Reactions were infrequent and usually trivial.

During the year, ten cases of a mild type of diphtheria occurred amongst these 3,000 immunised children, as compared with 374 cases in 7,000 non-immunised children under the age of 14 years, with 14 deaths.

It should be realised that it was not a propitious time for an inoculation scheme, owing to the widespread infection and the extreme susceptibility of the children to diphtheria owing to the almost complete freedom of the Island from this disease for the previous five years.

In spite of this, however, the protection conferred by inoculation is obvious from the above figures, and it is significant that a rapid fall in cases occurred towards the end of January, 1939, which continued in February and March. On April 14th there were only twelve cases.

Without inoculation (the number of children inoculated was nearly 4,000 in February, 1939) no such marked fall would have been expected before the end of March, or in April. In fact in 1938 there was little decrease until May.

It may be of interest that very few places in England, after many years, have reached a percentage of thirty, and that in Guernsey nearly forty per cent of the children had been inoculated under the voluntary scheme in less than a year.

TUBERCULOSIS.

There were 27 deaths from Tuberculosis during the year ; Pulmonary, 15 ; other forms, 12, (6 Meningitis), a rate of 0.62, 0.35 and 0.27 respectively per 1,000. The Pulmonary cases fell from 31 in 1937 to 15 in 1938, this being the smallest number on record.

There were 26 notifications of Pulmonary Tuberculosis and 2 of Tubercular Meningitis.

Owing to the continuation of the diphtheria epidemic, no cases of tuberculosis could be treated at the King Edward Sanatorium, and as a consequence the work at the Clinic has been greatly hampered.

The attendances were as follows :—

16 cases diagnosed as Pulmonary Tuberculosis.

2 cases diagnosed as Non-Pulmonary Tuberculosis.

6 cases not Tubercular.

Attendances by old cases, 76.

Several cases were sent to England for treatment, the expenses being paid out of funds being held by the Royal Court.

HOUSING.

The Homes for Workers Committee have proceeded with housing schemes at Rue Flère (20 houses) and at Mont Arrivé (10 clearing houses). I think

it can be said that definite progress is being made in improving the housing conditions of the people, but there remains much to be done for the poorest members of the community who usually have the largest families.

The inspection of housing and sanitation was held up considerably by the very large amount of work entailed by the epidemic, but a second Inspector was appointed in August, and reference to the Sanitary Inspector's report will show that a considerable amount of work has been carried out.

Arrangements have been made for close co-operation with the "Homes for Workers" Committee and their Officials, and I must thank the States' Engineer and his assistants for the help this department has received from them.

DRAINAGE.

New drains have been laid at the Oberlands, Les Huriaux, Les Merriennes, Bailiff's Cross Road and the Vauquiédor.

LABORATORY.

The total examinations were 2,488.

Diphtheria 2,357, Tuberculosis 105, Urine 20, Anthrax 3, and other examinations 6.

CREMATIONS.

There were 32 cremations during 1938.

STATES WATER SUPPLY.

Water Main extensions made in 1938 were as follows :—

ST. PETER PORT.	Guelles Lane.
	La Ramée.
	Rouge Rue.
	Les Vardes.
ST. SAMPSON'S.	Delancey.
	Capelles—Landes du Marché.
	Rue Carré and Basses Capelles. Duplicate Mains.
VALE.	Houmet Lane.
	Les Landes Road.
	Verte Rue.
	Rue Es Ralles.
	Croute Becret.
	Portinfer.
	Charruée Road—Camp du Roi. (Duplicate Mains).

CASTEL.	Grandes Rocques. Rue Cohu. Les Effards. Albecq. Charruée Road.
ST. SAVIOUR'S.	Courtil Ronchin. Les Lohiers. Richmond.
ST. PETER'S.	L'Erée. Houguettes—Adams Road. L'Eclet.
TORTEVAL.	La Rocque.
FOREST.	Rue des Fosses. L'Epinel. Petit Bôt.
ST. MARTIN'S.	Damouettes Road. Les Caches.
ST. ANDREWS.	Les Buttes. Villiaze.

STATES WATER SUPPLY.

Numerous samples have been taken, all of which have been satisfactory.

VENEREAL DISEASES.

The special Clinic started by the Board at the end of 1937, has been well attended considering it has been so recently opened, and as it becomes more known, the work done there should increase considerably.

There were 69 new cases, most in an infectious condition, and considering the seriousness of these complaints, the necessity for this Clinic is manifest.

The details of the work carried out are given below :—

		SYPHILIS.		GONORRHOEA.		TOTAL.
		M.	F.	M.	F.	
Number of new cases	..	13	6	40	10	69
(1) No. of attendances to see						—
Medical Officer		103	59	389	112	663
(2) For irrigations, etc. ..	..	—	—	1178	314	1492
						—
Total attendances	.. ..	..	..	..	..	2155
						—
Number of injections for Syphilis	.. ..	..	..	..	..	298
Number of injections for Gonorrhoea	.. ..	..	..	..	..	40
Bacteriological examinations for Gonorrhoea	.. ..	..	..	..	..	406
Blood Tests for Syphilis	.. ..	..	..	..	..	75

CAUSES OF DEATH, 1938.

CAUSE OF DEATH.		Under 1 yr.	Between					Over 65.	Total.							
			1-2	2-5.	5-15.	15-25.	25 to 65.									
No. 1.																
	Diphtheria	—	..	—	..	3	..	11	..	—	..	—	..	—	..	14
	Pulmonary Tuber- culosis	1	..	—	..	—	..	1	..	4	..	9	..	—	..	15
Other forms of Tuberculosis.	Meningitis	1	..	1	..	1	..	—	..	1	..	2	..	—	..	6
	Vertebral Column	—	..	—	..	—	..	—	..	1	..	—	..	—	..	1
	Other bones and joints	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
	Disseminated T.B.	—	..	—	..	—	..	1	..	—	..	1	..	—	..	2
	Renal T.B.	—	..	—	..	—	..	—	..	1	..	—	..	—	..	1
	T.B. of Skin	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
	Septicaemia	—	..	—	..	—	..	—	..	—	..	3	..	2	..	5
	Malaria	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
	Cerebro-Spinal Men- ingitis	—	..	—	..	1	..	—	..	—	..	1	..	—	..	2
	Encephalitis Lethar- gica	—	..	—	..	—	..	—	..	1	..	—	..	1	..	2
No. 2.																
Cancer and other Tumours :—																
	Digestive Organs	—	..	—	..	—	..	—	..	—	..	15	..	31	..	46
	Uterus	—	..	—	..	—	..	—	..	—	..	6	..	3	..	9
	Other female genital organs	—	..	—	..	—	..	—	..	—	..	1	..	1	..	2
	Breast	—	..	—	..	—	..	—	..	—	..	4	..	5	..	9
	Male genito urinary organs	—	..	—	..	—	..	—	..	—	..	2	..	2	..	4
	Other or unspecified organs	—	..	—	..	—	..	—	..	—	..	6	..	9	..	15
No. 3.																
	Diabetes mellitus ..	—	..	—	..	1	..	—	..	—	..	2	..	4	..	7
	Myxoedema	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1
	Addison's disease ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
No. 4.																
	Hodgkin's disease ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
	Lukaemia	—	..	—	..	—	..	1	..	—	..	1	..	1	..	3
	Pernicious anaemia	—	..	—	..	—	..	—	..	—	..	1	..	1	..	2
Carried forward..		2	..	1	..	6	..	14	..	8	..	59	..	61	..	151

VIII—1939

Brought forward ..	2 ..	1 ..	6 ..	14 ..	8 ..	59 ..	61 ..	151
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No. 5.

Alcoholism —	.. —	.. —	.. —	.. —	1 ..	— ..	1
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No. 6.

Encephalitis ..	—	.. —	.. —	.. —	1 ..	—	2 ..	—	3
Cerebral Abscess ..	—	.. —	.. —	.. —	1 ..	—	—	—	1
Meningitis ..	1 ..	—	.. 1 ..	—	—	1 ..	—	3	
Cerebral Softening ..	—	.. —	.. —	.. —	—	1 ..	1 ..	2	
General paralysis of									
Insane ..	.. —	.. —	.. —	.. —	—	1 ..	—	1
Hemiplegia ..	—	.. —	.. —	.. —	—	—	1 ..	1	
Cerebral Thrombosis ..	—	.. —	.. —	.. —	—	—	5 ..	5	
Cerebral Embolism ..	—	.. —	.. —	.. —	—	1 ..	2 ..	3	
Cerebral Haemor-									
rhage ..	.. 1 ..	—	.. —	.. —	—	7 ..	8 ..	16
Apoplexy ..	.. —	.. —	.. —	.. —	—	1 ..	4 ..	5
Epilepsy ..	.. —	.. —	.. —	1 ..	—	—	2 ..	3
Convulsions ..	1 ..	—	.. —	.. —	—	—	—	1	
Paralysis Agitans ..	—	.. —	.. —	.. —	—	1 ..	1 ..	2	
Other Spinal diseases ..	—	.. —	.. —	.. —	—	3 ..	—	3	
Diseases of the Ear ..	—	.. —	.. —	.. —	—	—	1 ..	1	

No. 7.

Endocarditis ..	—	.. —	.. —	.. —	2 ..	1 ..	7 ..	10
Aortic Valve disease ..	—	.. —	.. —	.. —	—	1 ..	1 ..	2
Mitral Valve disease ..	—	.. —	.. —	.. —	—	1 ..	2 ..	3
Myocarditis ..	—	.. —	.. —	.. —	—	—	11 ..	11
Myocardial degenera-								
tion ..	.. —	.. —	.. —	.. —	—	4 ..	20 ..	24
Fatty Heart ..	—	.. —	.. —	.. —	—	2 ..	—	2
Coronary Thrombo-								
sis ..	.. —	.. —	.. —	.. —	—	6 ..	4 ..	10
Heart disease ..	—	.. —	.. —	.. —	—	8 ..	14 ..	22
Auricular fibrillation ..	—	.. —	.. —	.. —	—	—	3 ..	3
Aneurysm ..	.. —	.. —	.. —	.. —	—	—	1 ..	1
Arterio Sclerosis ..	—	.. —	.. —	.. —	—	9 ..	14 ..	23
Phlebitis ..	.. —	.. —	.. —	.. —	—	—	2 ..	2
Angina Pectoris ..	—	.. —	.. —	.. —	—	—	7 ..	7
High blood pressure ..	—	.. —	.. —	.. —	—	3 ..	2 ..	5

Carried forward..	5 ..	1 ..	7 ..	16 ..	11 ..	113 ..	174 ..	327
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Brought forward .. 5 .. 1 .. 7 .. 16 .. 11 .. 113 .. 174 .. 327

No. 8.

Acute Bronchitis ..	—	..	—	..	—	..	—	..	—	..	1	..	2	..	3
Chronic Bronchitis ..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1
Bronchitis ..	..	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Broncho Pneumonia ..	2	..	2	..	—	..	1	..	—	..	3	..	2	..	10
Lobar Pneumonia..	1	..	—	..	—	..	1	..	—	..	6	..	—	..	8
Pneumonia ..	—	..	1	..	—	..	—	..	—	..	5	..	3	..	9
Empyemia ..	..	—	..	—	..	—	..	—	..	—	1	..	—	..	1
Asthma ..	..	—	..	—	..	—	..	—	..	—	1	..	3	..	4
Pulmonary Embol-															
ism ..	..	—	..	—	..	—	..	—	..	—	—	..	1	..	1
Pulmonary Oedema ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1

No. 9.

Tonsillitis	—	..	—	..	—	..	1	..	—	..	—	..	—	..	1
Ulcer of Stomach ..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1	
Ulcer of Duodenum ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1	
Gastric Ulcer ..	..	—	..	—	..	—	..	—	..	—	2	..	—	..	2
Gastro Enteritis ..	2	..	—	..	—	..	1	..	—	..	—	..	1	..	4	
Appendicitis ..	..	—	..	—	..	—	1	..	—	..	1	..	—	..	2
Strangulated Hernia ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1	
Intestinal Obstruc-																
tion ..	..	—	..	—	..	—	..	—	..	—	—	..	1	..	1
Cirrhosis of liver ..	..	—	..	—	..	—	..	—	..	—	1	..	1	..	2
Cholecystitis ..	..	—	..	—	..	—	..	—	..	—	1	..	2	..	3
Cholaemia ..	..	—	..	—	..	—	..	—	..	—	—	..	1	..	1
Hepatitis ..	..	—	..	—	..	—	..	—	..	—	1	..	—	..	1
Gall Stones..	..	—	..	—	..	—	..	—	..	—	1	..	—	..	1	

No. 10.

Chronic Nephritis ..	—	..	—	..	—	..	—	..	—	..	5	..	1	..	6
Acute pylo-nephritis ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
Uraemia ..	..	—	..	—	..	—	..	—	..	—	2	..	—	..	2
Enlarged prostate..	—	..	—	..	—	..	—	..	—	..	—	..	3	..	3

No. 11.

Placenta Praevia ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
Retained placenta..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
Post partum haemor-															
rhage ..	..	—	..	—	..	—	..	—	..	—	1	..	—	..	1
Ectopic Gestation ..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
Eclampsia ..	..	—	..	—	..	—	..	—	..	1	..	—	..	—	1

Carried forward.. 10 .. 5 .. 7 .. 21 .. 12 .. 125 .. 197 .. 404

Brought forward .. 10 .. 5 .. 7 .. 21 .. 12 .. 152 .. 197 .. 404

No. 14.

Congenital Heart	..	2	..	—	..	—	..	—	..	—	..	—	..	2
Imperforate anus	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Pyloric stenosis	..	1	..	—	..	—	..	—	..	—	..	—	..	1

No. 15.

Premature Birth	..	14	..	—	..	—	..	—	..	—	..	—	..	14
Pulmonary Atelectasis	5	..	—	..	—	..	—	..	—	..	—	5
Injury at birth	..	2	..	—	..	—	..	—	..	—	..	—	..	2
Inattention at birth	1	..	—	..	—	..	—	..	—	..	—	1

No. 16.

Senility	—	..	—	..	—	..	—	..	—	..	70	..	70
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No. 17.

Accidental death	..	—	..	—	..	—	..	1	..	3	..	5	..	9	..	18
Suicide	—	..	—	..	—	..	—	4	..	2	..	6
Murder	1	..	—	..	—	..	—	..	—	—	..	1
<hr/>																
		37	..	5	..	7	..	22	..	15	..	161	..	278	..	525

RETURN OF BIRTHS AND DEATHS REGISTERED DURING 1938

BIRTHS

PARISH LETTER :	St. P.-Port.	St. Sampson	Vale.	Castel.	St. Saviour.	St. Pierre-du-Bois.	Torteval.	Forest.	St. Martin.	St. Andrew.	Total
Males	.. 231	.. 39	.. 45	.. 39	.. 15	.. 19	.. 5	.. 10	.. 29	.. 13	.. 445
Females	.. 217	.. 42	.. 49	.. 34	.. 8	.. 13	.. 3	.. 3	.. 27	.. 10	.. 406
<i>Total</i>	.. 448	.. 81	.. 94	.. 73	.. 23	.. 32	.. 8	.. 13	.. 56	.. 23	.. 851

Still Births—

Males	..	.. 10	.. 2	.. 2	.. 2	.. —	.. —	.. —	.. 3	.. 2	.. 21
Females	..	.. 7	.. —	.. 2	.. 2	.. —	.. —	.. —	.. 1	.. —	.. 12
<i>Total</i>	..	.. 17	.. 2	.. 4	.. 4	.. —	.. —	.. —	.. 4	.. 2	.. 33

DEATHS

No. 1. *Epidemic, Endemic and Infectious Diseases—*

Diphtheria	..	.. 5	.. 4	.. 2	.. 1	.. —	.. 1	.. —	.. —	.. 1	.. 14
Tuberculosis (all forms)	..	.. 8	.. 2	.. —	.. 13	.. —	.. 2	.. 1	.. —	.. 1	.. 27
Septicaemia	..	.. 2	.. 1	.. —	.. 2	.. —	.. —	.. —	.. —	.. —	.. 5
Malaria	..	.. 1	.. —	.. —	.. —	.. —	.. —	.. —	.. —	.. —	.. 1
Cerebro Spinal Meningitis	..	.. 1	.. —	.. —	.. —	.. —	.. —	.. —	.. 1	.. —	.. 2
Encephalitis Lethargica	..	.. —	.. —	.. —	.. 1	.. 1	.. —	.. —	.. —	.. —	.. 2

No. 2 *Cancer and other Tumours*

Digestive Organs	..	.. 20	.. 3	.. 5	.. 12	.. 2	.. —	.. —	.. 1	.. 3	.. —	.. 46
Uterus	..	.. 3	.. 2	.. 1	.. 1	.. —	.. 1	.. —	.. —	.. —	.. 1	.. 9
Other female genital organs	..	.. 1	.. —	.. 1	.. —	.. —	.. —	.. —	.. —	.. —	.. —	.. 2
Breast	..	.. 6	.. 1	.. —	.. 1	.. —	.. —	.. —	.. 1	.. —	.. —	.. 9
Carried Forward	..	.. 47	.. 13	.. 9	.. 31	.. 3	.. 4	.. 1	.. 1	.. 6	.. 2	.. 117

Brought Forward ..	47	..	13	..	9	..	31	..	3	..	4	..	1	..	1	..	6	..	2	..	117
No. 2 contd. Male Genito-																					
Urinary Organs ..	2	..	—	..	2	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	4
Other or unspecified																					
Organs	8	..	2	..	—	..	3	..	—	..	—	..	—	..	—	..	1	..	1	..	15
No. 3. <i>Rheumatism, Dis-</i>																					
<i>seases of nutrition and</i>																					
<i>other General Diseases—</i>																					
Diabetes mellitus ..	4	..	1	..	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	7
Myxoedema	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Addisons disease ..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
No. 4.																					
<i>Diseases of the blood</i>																					
<i>and blood-forming Or-</i>																					
<i>gans.—</i>																					
Hodgkin's Disease	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Lukaemia	2	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Pernicious Anaemia	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
No. 5.																					
<i>Chronic Poisoning—</i>																					
Alcoholism	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
No. 6.																					
<i>Diseases of the nervous</i>																					
<i>System and Sense Or-</i>																					
<i>gans —</i>																					
Encephalitis	3	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Cerebral abscess ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Meningitis	2	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	3
Cerebral Softening	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
General Paralysis of																					
Insane	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Hemiplegia	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Cerebral Thrombosis	1	..	1	..	1	..	1	..	—	..	—	..	—	..	—	..	1	..	—	..	5
Cerebral Embolism	2	..	—	..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	3
Cerebral Haemorrhage	5	..	—	..	3	..	4	..	—	..	—	..	—	..	—	..	3	..	1	..	16
Apoplexy	2	..	2	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	5
Carried forward ..	83	..	22	..	18	..	41	..	3	..	5	..	1	..	1	..	14	..	4	..	192

Brought forward .. 83 .. 22 .. 18 .. 41 .. 3 .. 5 .. 1 .. 1 .. 14 .. 4 .. 192

No. 6 contd.

Epilepsy	1	..	—	..	—	..	1	..	—	..	—	..	—	..	1	..	—	..	3
Convulsions ..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1
Paralysis Agitans	—	..	—	..	—	..	—	..	—	..	1	..	—	..	—	..	1	..	2
Other spinal diseases	1	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	1	..	3
Diseases of the ear	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1

No. 7.

Diseases of the Circulatory System—

Endocarditis ..	3	..	—	..	1	..	3	..	—	..	—	..	—	..	1	..	2	..	—	..	10
Aortic Valve Disease	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Mitral Valve Disease	2	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Myocarditis ..	2	..	3	..	—	..	1	..	—	..	1	..	1	..	1	..	2	..	—	..	11
Myocardial degeneration	8	..	2	..	2	..	1	..	—	..	5	..	—	..	—	..	6	..	—	..	24
Fatty heart ..	1	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	2
Coronary Thrombosis	8	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	1	..	—	..	10
Heart disease ..	9	..	3	..	4	..	3	..	—	..	—	..	—	..	1	..	1	..	1	..	22
Auricular fibrillation	3	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Aneurysm	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Arterio-Sclerosis ..	8	..	1	..	—	..	10	..	1	..	—	..	—	..	—	..	3	..	—	..	23
Phlebitis	—	..	—	..	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	2
High blood pressure	4	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	5
Angina Pectoris ..	4	..	—	..	1	..	1	..	—	..	—	..	—	..	—	..	1	..	—	..	7

No. 8.

Diseases of the Respiratory System—

Acute Bronchitis ..	2	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Chronic	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Bronchitis	—	..	—	..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	1
Broncho-Pneumonia	4	..	—	..	1	..	2	..	1	..	—	..	—	..	—	..	2	..	—	..	10
Lobar	2	..	—	..	—	..	4	..	—	..	—	..	—	..	—	..	2	..	—	..	8
Pneumonia	3	..	—	..	2	..	4	..	—	..	—	..	—	..	—	..	—	..	—	..	9

Carried forward .. 151 .. 33 .. 31 .. 74 .. 5 .. 12 .. 4 .. 4 .. 38 .. 7 .. 359

Brought Forward .. 151 .. 33 .. 31 .. 74 .. 5 .. 12 .. 4 .. 4 .. 38 .. 7 .. 359

No. 8 Contd.

Empyema ..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	—	..	1
Asthma ..	1	..	—	..	1	..	—	..	—	..	2	..	—	..	—	..	—	..	4
Pulmonary Embolism	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Pulmonary Oedema	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1

No. 9.

*Diseases of the Digestive
System—*

Tonsilitis ..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Ulcer of Stomach	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1	..	1
Ulcer of Duodenum	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Gastric Ulcer ..	2	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Gastro Enteritis	2	..	1	..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	4
Appendicitis ..	2	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Strangulated Hernia	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Cirrhosis of liver ..	2	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Cholecystitis ..	3	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	3
Cholaemia ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Hepatitis ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Gall Stones ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1

No. 10.

*Non Venereal diseases
of the Genito Urinary
System and Annexa—*

Chronic Nephritis	5	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	6
Acute Pylo nephri- tis ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Uraemia ..	—	..	2	..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	3
Enlarged Prostate	—	..	1	..	—	..	—	..	—	..	—	..	—	..	2	..	—	..	3

No. 11.

*Diseases of Pregnancy
and Childbirth—*

Placenta Praevia ..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Retained Placenta	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	1
Post-partum hae- morrhage ..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Ectopic Gestation	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Eclampsia ..	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	1

Carried forward. .. 177 .. 37 .. 32 .. 80 .. 5 .. 13 .. 7 .. 4 .. 41 .. 8 .. 404

Brought Forward. . . 177 . . 37 . . 32 . . 80 . . 5 . . 13 . . 7 . . 4 . . 41 . . 8 . . 404

No. 14.

Congenital Malformation—

Congenital Heart . .	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Imperforate Anus . .	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1
Pyloric Stenosis . .	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1

No. 15.

Diseases of Early Infancy—

Premature birth . .	7	..	—	..	2	..	3	..	1	..	—	..	—	..	—	..	1	..	—	..	14
Pulmonary Atelecta- sis . .	3	..	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	5
Injury at birth . .	1	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	2
Inattention at birth	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	—	..	1

No. 16.

Senility—

Senile decay . .	33	..	7	..	4	..	13	..	2	..	1	..	2	..	1	..	6	..	1	..	70
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No. 17.

Deaths from violence—

Accidental death . .	13	..	1	..	—	..	3	..	1	..	—	..	—	..	—	..	—	..	—	..	18
Suicide . .	4	..	—	..	1	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	6
Murder . .	—	..	—	..	—	..	1	..	—	..	—	..	—	..	—	..	—	..	—	..	1

Total.. . .	241	..	48	..	40	..	102	..	9	..	14	..	9	..	5	..	48	..	9	..	525
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Rapport de l'Inspecteur de Sanitation.

Lukis House, Grange, Guernsey, 1939.

The Medical Officer of Health.

SIR,

I beg to forward you my annual report for the year 1938.

INSPECTIONS.

Total number of routine inspections of dwelling houses	81
Inspections of houses or premises reported as unsanitary.. .. .	35
Inspections in connection with infectious diseases	548
Houses inspected at request of Homes for Workers Committee	41
Inspections in response to requests for advice	9
Inspections of farms and piggeries	147
Inspections of Dairies.. .. .	8
Inspections of Public Houses	2
Inspections of Bake Houses	31
Inspections of Tea Rooms	12
Inspections of Ice Cream Vendors Premises	2
Inspections of shops for sanitary arrangements	40
Inspections of refuse dumps	6
	<hr/>
	962

RE-INSPECTIONS.

Houses, routine	29
Houses, Homes for Workers	37
Farms and piggeries	14
Bake Houses	4
	<hr/>
Total	1046
	<hr/>

NOTICES SERVED FOR GENERAL REPAIRS, SANITARY ACCOM-
MODATION & WATER SUPPLY.

St. Peter Port	61
St. Sampson's	19
Vale	28
Castel	5
St. Saviour's	8
Forest	1
St. Martin's	13
St. Andrew's	6
Total	141

SANITARY DEFECTS REMEDIED AND WORK CARRIED OUT.

Open cesspits converted to sealed	5
New cesspits constructed	20
New W.C.'s installed	33
Obsolete closets replaced by modern, including flush cisterns	48
Privies condemned	15
Interceptors inserted	6
Drains tested	2
Vent pipes provided and/or renewed	5
Rainwater pipes & gutters provided and/or renewed	2
General repairs to houses	45
Defective drains repaired	3
Gullies & inspection chambers repaired and/or provided	5
Slop sinks provided	4
New windows to W.Cs.	2
Earth buckets renewed and/or provided	13
Houses closed permanently	9
Houses closed temporarily	7
Total	224

FARMS AND PIGGERIES.

Cowsheds cleaned and limewashed	127
Farmers warned for unsatisfactory cleansing	15
New pits constructed to cow stables	5
New windows to cowsheds	1
New pits constructed to piggeries	2
General nuisances abated, viz., Rubbish heaps removed & overflowing of pits stopped	10
Total	160

MILK AND FOOD ANALYSIS.

Twenty-two samples of milk were taken and submitted for local analysis, of which five were also for bacteriological examination and the reductase test. One sample of butter was taken. Twenty-six samples of milk were submitted to the Royal Institute of Public Health for bacteriological, fat and Tuberculosis examination. No samples contained Tubercle bacillus. Three Ice Cream samples were taken. The averages of the twenty-two locally analysed samples were :—Fat..4.75%. Solids not Fat..8.33%. The fat content was somewhat higher than for 1937, whilst the non-fatty solids were lower. 1937 figures were fat 4.32%, and solids not fat 8.7%. The reductase test is of great use in defining “dirty milks” and one is thereby enabled to warn farmers of the lack of cleanliness in the handling of their milk. Much more time should be devoted to the inspecting of farms, but is not possible with our present staff.

WATER SUPPLY.

Eighty-one samples of water were taken during the year for chemical and bacteriological examination. Fifty-one of these were bacteriologically examined locally, and thirteen at the Royal Institute of Public Health.

Number of wells closed	..	..	..	..	..	9
Company's water laid on	..	..	..	..	..	38

DISINFECTION.

Over nine hundred rooms were disinfected in six hundred and five houses in connection with notifiable infectious diseases. Wards and bedding were disinfected at the Victoria, Town and Country Hospitals. Over five thousand articles were satisfactorily steam disinfected.

I am, Sir,

Your obedient servant,

G. AUSTIN,
Senior States' Sanitary Inspector.

